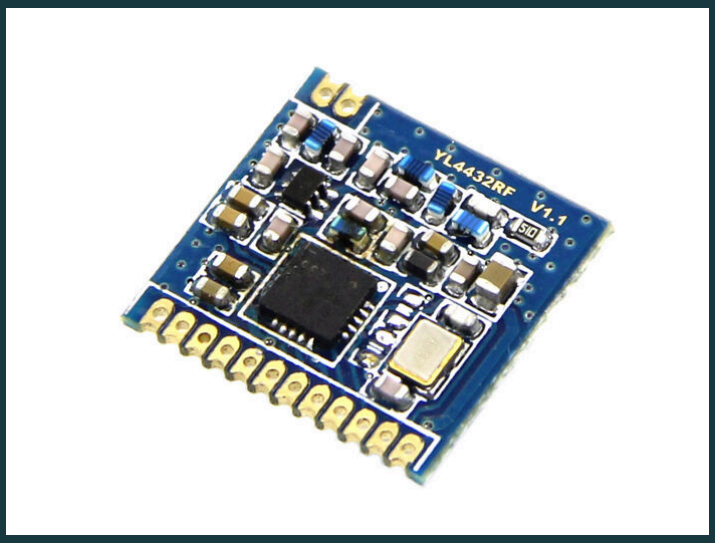
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INDUSTRIAL PRODUCT DATASHEET

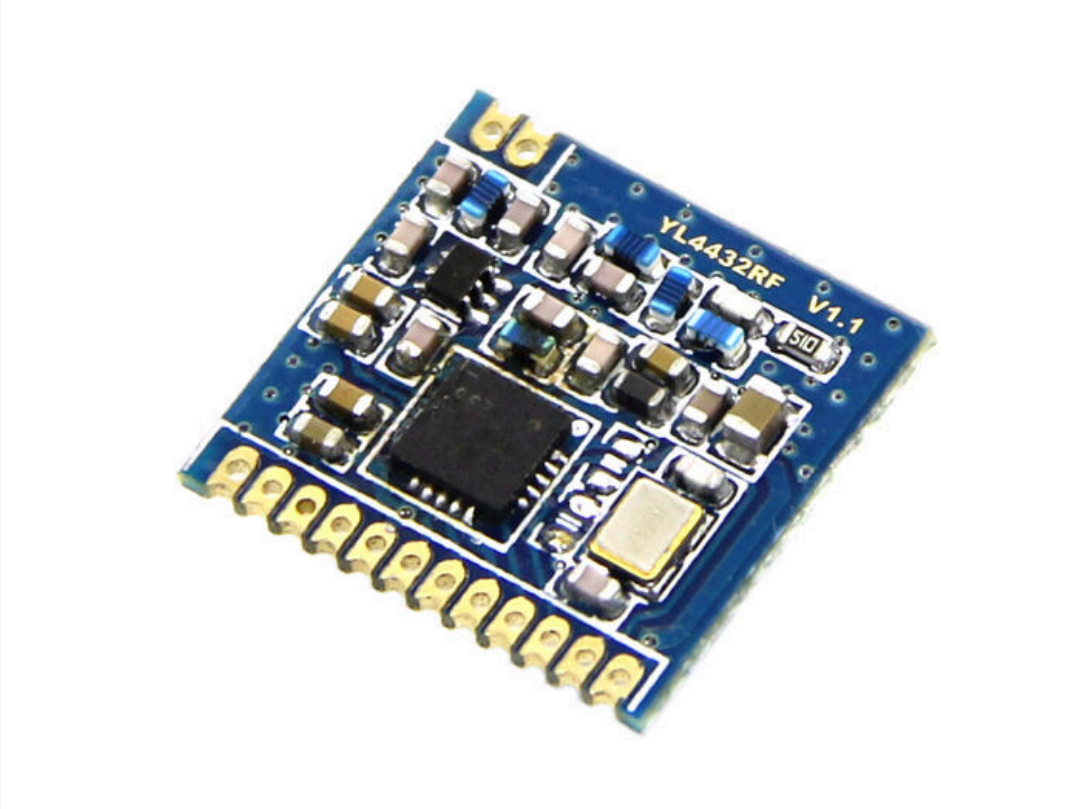
915 Mhz RF Module WT-4432G - ISM transceiver module

Featuring -121 dBm sensitivity and +20 dBm output power, the WT-4432G ensures reliable long-range communication for 915 MHz ISM band applications.

SKU	UPDATED	PRICE
109990021	2024-08-09 02:07:48	$11.90(Excl. VAT)



Overview



The WT-4432G is a highly integrated 915 MHz ISM transceiver module with -121 dBm sensitivity at 1200 bps and +20 dBm output power for extended range. It supports data rates from 0.123 to 256 kbps, FSK/GFSK/OOK modulation, and operates from 1.8 to 3.6 V, suitable for remote control, telemetry, and home automation.

Key Features

Semitron's SEM-YL-4432G are highly integrated wireless ISM transceiver module. Very low receive sensitivity (-121dBm/1200bps), coupled with industry leading +20dBm output power ensures extended range and improved link performance. Built-in antenna diversity and support for frequency hopping can be used to further extend range and enhance performance.

We have both **433Mhz** and 915Mhz model, you could see the corresponding area of the application in below image.

Features

- Frequency Range：915 MHz
- Sensitivity = -121 dBm at 1200bps
- Max output power:20dBm
- 85mA@+20dBm transmit
- Data Rate = 0.123 to 256 kbps
- FSK,GFSK and OOK modulation
- Power Supply = 1.8 to 3.6 V
- Ultra low power shutdown mode
- Digital RSSI
- Wake-up timer
- Auto-frequency calibration (AFC)
- Configurable packet handler
- Antenna diversity and TR switch control
- Preamble detector
- TX and RX 64 byte FIFOs
- Low battery detector
- Temperature sensor and 8-bit ADC
- -40 to +85 °C temperature range
- Integrated voltage regulators
- Frequency hopping capability
- Power-on-reset (POR)
- On-chip crystal tuning

Applications

- Remote control
- Telemetry

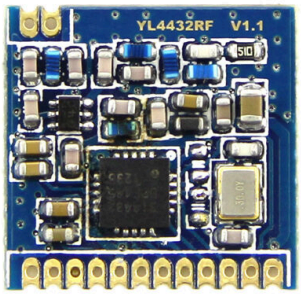
- Home security & alarm
- Home automation
- Remote keyless entry
- Industrial control
- Toy control
- Personal data logging
- Remote meter reading
- Sensor networks
- Tire pressure monitoring
- Health monitors
- Wireless PC peripherals
- Tag readers

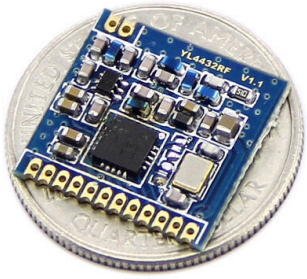
Document

- Datasheet

Any further questions in technical support, please contact **alan@wireless-tag.com**.

Product Gallery





Resource Links

- https://www.seeedstudio.com/915-Mhz-RF-Module-WT-4432G-ISM-transceiver-module-p-1808.html

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